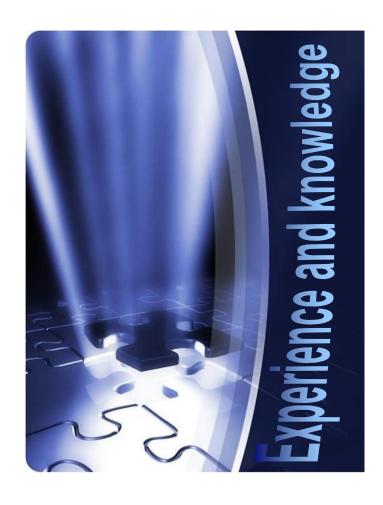
# Advanced SQL and Oracle optimizer



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### Agenda: day 1

Knowledge and experience at the right place

- Introduction
- SQL functions
- Excercise 1
- SQL aggregate functions
- Excercise 2
- Views
- Time dependencies within SQL

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Excercise 3

# Agenda: day 2



- Analytical functions
- Excercise 4
- Hierarchical queries
- Excercise 5
- Inner- and outer join

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- Excercise 6
- Subqueries
- Excercise 7

# Agenda: day 3

Knowledge and experience at the right place

- Regular expressions
- Excercise 8
- Database constraints Part 1
- Excecise 9
- Database constraints Part 2
- Transaction & Locking
- SQL generation
- Excercise 10
- Add ON
- Optimizer<sub>4</sub>



### Goal of this training

- You learn advanced SQL functions
- You learn specific SQL related features of the Oracle optimizer
- You get more confident on advanced SQL with dedicated exercises
- You get an answer to all your questions!

#### Who am I?

- 1988-1994
  - Computer science at the ETH (Zürich)
- **•** 1994-2000
  - LHS Group
  - BSCS billing system based on Oracle
  - Database team leader
  - Responsible for all performance related issues like migrations, architecture designs, etc.
- 2001-2008
  - Trivadis AG
  - Leading consulting company in CH,D and AT
  - Senior consultant
  - Application performance management, performance tuning, developments, architect, trainer, etc.

#### Who am I?

- 2008-now
  - GM2S GmbH



- Own company
- Senior principal consultant at FI-Solutions / Dispena solutions
  Owned by FORS, largest Oracle partner in Russia
- Expert areas:
  Oracle, performance, architecture, information security, development, project management, Splunk, EVAM, etc.
- For any question, etc. just get in touch with me
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